

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P565702

Luminaire Tested: **2SNX-40HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-LC-UNV-L930-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

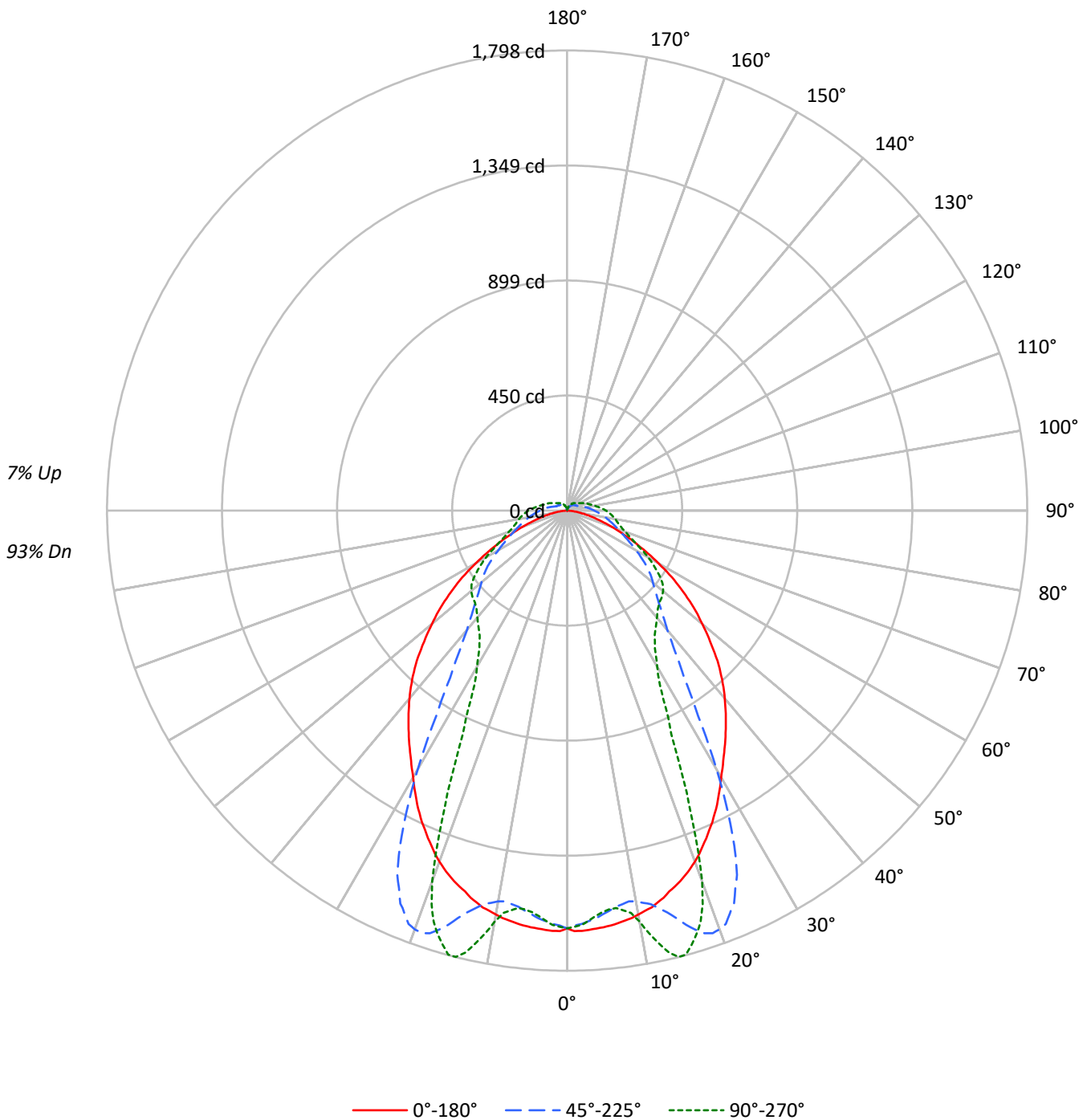
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3628.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 27.55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35142	35142	35142
5°	35057	32717	32168
10°	34512	30993	31899
15°	33584	32169	33957
20°	32441	33432	28421
25°	30689	29906	17475
30°	28548	22211	12647
35°	26781	15287	10669
40°	25184	11828	9832
45°	23351	10039	9300
50°	21009	8980	9128
55°	18561	8092	8446
60°	15486	6975	7305
65°	12330	6046	6097
70°	9388	5405	5368
75°	6960	4995	5005
80°	4521	4696	4955
85°	2100	4435	4920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	4.2
10°-20°	464.2	12.8
20°-30°	625.0	17.2
30°-40°	591.5	16.3
40°-50°	522.1	14.4
50°-60°	424.0	11.7
60°-70°	288.4	7.9
70°-80°	185.6	5.1
80°-90°	123.4	3.4
90°-100°	84.8	2.3
100°-110°	56.9	1.6
110°-120°	40.1	1.1
120°-130°	28.7	0.8
130°-140°	20.2	0.6
140°-150°	12.6	0.3
150°-160°	6.1	0.2
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1241.0	34.2
0°-40°	1832.5	50.5
0°-60°	2778.6	76.6
0°-90°	3376.0	93.1
90°-120°	181.9	5.0
90°-150°	243.4	6.7
90°-180°	252.0	6.9
0°-180°	3628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1634	1619	1584	1583	1575	155
15°	1540	1530	1648	1794	1796	434
25°	1342	1591	1570	1140	964	616
35°	1078	1513	798	614	596	675
45°	831	1018	505	498	509	638
55°	553	602	379	423	439	494
65°	285	325	254	282	291	286
75°	110	153	179	200	210	119
85°	17	65	127	161	172	22
90°	1	45	106	142	152	1
95°	1	35	89	121	129	0
105°	1	24	59	82	92	1
115°	1	21	43	62	69	1
125°	2	18	37	46	50	2
135°	2	14	30	39	41	2
145°	2	10	22	30	33	2
155°	3	6	13	20	23	1
165°	3	4	7	10	12	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1632.4	1632.4	1632.4	1632.4	1632.4
1°	1643.5	1638.5	1621.9	1630.8	1626.3
2°	1642.9	1634.6	1615.8	1625.8	1620.2
3°	1640.2	1631.3	1606.9	1613.0	1604.7
4°	1637.4	1626.9	1597.5	1597.5	1588.1
5°	1634.1	1619.1	1584.2	1583.1	1575.4
6°	1630.2	1613.0	1572.6	1571.5	1567.1
7°	1624.7	1602.5	1559.9	1567.6	1564.3
8°	1618.0	1592.5	1553.2	1572.6	1577.6
9°	1611.9	1580.4	1545.5	1588.1	1592.0
10°	1602.0	1569.3	1550.4	1619.1	1630.8
11°	1593.6	1559.9	1561.5	1649.6	1684.5
12°	1585.3	1549.9	1572.0	1687.8	1730.5
13°	1571.5	1542.1	1595.3	1729.4	1773.1
14°	1559.3	1536.0	1618.0	1771.5	1797.5
15°	1540.5	1530.5	1648.5	1794.2	1795.8
16°	1527.7	1526.6	1683.9	1795.8	1764.8
17°	1513.3	1525.0	1712.7	1767.0	1730.5
18°	1497.3	1528.3	1736.6	1731.0	1688.9
19°	1479.0	1531.6	1746.5	1681.2	1626.9
20°	1459.0	1536.6	1741.0	1629.1	1541.6
21°	1439.1	1543.2	1730.5	1574.3	1429.7
22.5°	1402.0	1559.3	1680.6	1420.3	1244.7
23°	1391.5	1562.6	1669.0	1372.1	1196.5
24°	1365.4	1576.5	1615.8	1259.6	1069.1
25°	1342.2	1591.4	1570.4	1140.5	964.4
26°	1316.1	1602.5	1501.7	1030.9	900.1
27°	1290.6	1609.2	1423.6	945.6	828.1
28°	1261.3	1616.4	1338.8	871.9	773.8
29°	1233.6	1617.5	1255.2	813.2	731.2
30°	1203.7	1611.9	1167.1	766.1	704.6
32.5°	1138.3	1581.5	951.6	676.3	638.1
35°	1078.5	1513.3	797.7	614.3	595.5
37.5°	1018.1	1405.9	689.6	575.5	569.4
40°	958.8	1278.5	608.2	544.5	545.6
42.5°	896.3	1147.2	552.3	519.0	524.0
45°	830.9	1018.1	504.6	498.5	509.1
47.5°	758.3	900.1	467.0	485.2	501.3
50°	689.6	783.3	437.6	472.5	489.1
52.5°	624.3	687.4	411.0	450.9	470.3
55°	553.4	602.1	378.9	423.2	439.3
57.5°	485.8	525.1	345.1	388.9	403.3
60°	411.6	449.2	310.8	351.7	365.6
62.5°	344.5	384.4	281.4	314.6	325.7
65°	285.3	324.6	253.7	281.9	290.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	232.6	274.7	231.0	254.8	263.1
70°	183.3	227.7	211.0	232.6	241.5
72.5°	143.5	188.3	194.4	214.4	223.2
75°	109.7	153.4	178.9	200.5	209.9
77.5°	81.4	125.2	164.5	189.4	199.4
80°	53.7	99.7	151.8	179.5	191.1
82.5°	33.8	80.3	139.0	169.5	181.7
85°	16.6	65.4	126.8	160.6	171.7
87.5°	5.5	54.3	115.8	151.8	161.2
90°	0.6	45.4	105.8	142.4	151.8
92.5°	0.6	39.3	97.5	131.3	140.7
95°	0.6	34.9	89.2	120.8	129.1
97.5°	0.6	31.6	81.4	109.7	118.5
100°	0.6	28.3	73.1	99.2	108.6
102.5°	1.1	26.0	65.9	90.3	100.3
105°	1.1	24.4	58.7	82.5	92.5
107.5°	1.1	23.3	52.6	76.4	85.9
110°	1.1	22.2	48.2	70.9	80.9
112.5°	1.1	21.6	45.4	65.9	75.3
115°	1.1	21.0	43.2	61.5	69.2
117.5°	1.7	20.5	41.5	57.1	63.1
120°	1.7	19.4	40.4	53.2	58.2
122.5°	1.7	18.3	38.8	49.9	53.7
125°	1.7	17.7	37.1	46.5	49.9
127.5°	1.7	16.6	35.5	43.8	47.1
130°	2.2	15.5	33.8	41.5	44.3
132.5°	2.2	14.4	32.1	40.4	42.7
135°	2.2	13.8	30.5	38.8	41.0
137.5°	2.2	12.7	28.8	37.1	39.3
140°	2.2	11.6	26.6	34.9	37.1
142.5°	2.2	11.1	24.4	32.7	34.9
145°	2.2	10.0	21.6	29.9	32.7
147.5°	2.8	9.4	19.4	27.7	29.9
150°	2.8	8.3	17.2	25.5	27.7
152.5°	2.8	7.2	15.0	22.7	24.9
155°	2.8	6.1	13.3	19.9	22.7
157.5°	2.8	5.5	11.6	16.6	19.9
160°	2.8	5.0	10.0	14.4	17.2
162.5°	2.8	4.4	8.9	12.2	15.0
165°	2.8	3.9	7.2	10.0	12.2
167.5°	3.3	3.9	6.1	7.8	10.0
170°	3.3	3.9	5.0	6.1	7.8
172.5°	3.3	3.3	3.9	4.4	5.0
175°	3.3	3.3	3.3	3.3	2.8
177.5°	3.3	3.3	3.3	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)